

New York State Department of Transportation

Yellow Flag NB2358W001

By: Alex Abreu

Flag Date: April 04, 2023

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: April 05, 2023 12:40:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Alex Abreu, P.E. 099761-1

Date: April 10, 2023

Reviewed By: Robert Kemp

Date: April 11, 2023

Attachments: 7

Flagged Elements

| Parent Element | Element | Total Quantity | Unit |
|-------------------------|------------------------|----------------|------|
| Span Number : 96 | | | |
| | 113 - Steel Stringer | 104 | ft |
| | PR831 - Steel Beam End | 34 | each |

Flagged Condition Description

This Yellow Flag No. NB2358W001 is NEW.

Location: Span 96, Stringer S2 at Pier 96 above the center lane of 3rd Avenue EB roadway between 52nd and 53rd street.

Description:

The end of Stringer S2 in Span 96 at Pier 96 exhibits a full height vertical thru crack at both connection angles in the leg of the angle along the pier (Photos 4 and 5). In addition, the right connection angle exhibits three corrosion holes in the leg of the angle along the pier for 2"H x 1/2"W, 1"H x 1/2"W, and 4"H x 1/2"W. The stringer end has previously installed steel reinforcement plates and angles which are in good condition (Photos 6 and 7).

This is a newly flagged condition.

Notes:

1. Adjacent Girder G15 exhibits 20% overall section loss for the full height of the web for 3" wide along the connection angle. Also, the curb plate above Stringer S2 near Pier 96 exhibits 7"L x 1"W corrosion hole.
2. A double lane closure in the left and center lanes on EB main roadway and 30ft bucket truck are required to access this location.
3. The previous 2021 Biennial Report documented the above girder location as CS3 with the following Condition State note:
Stringer S2 is in fair condition.

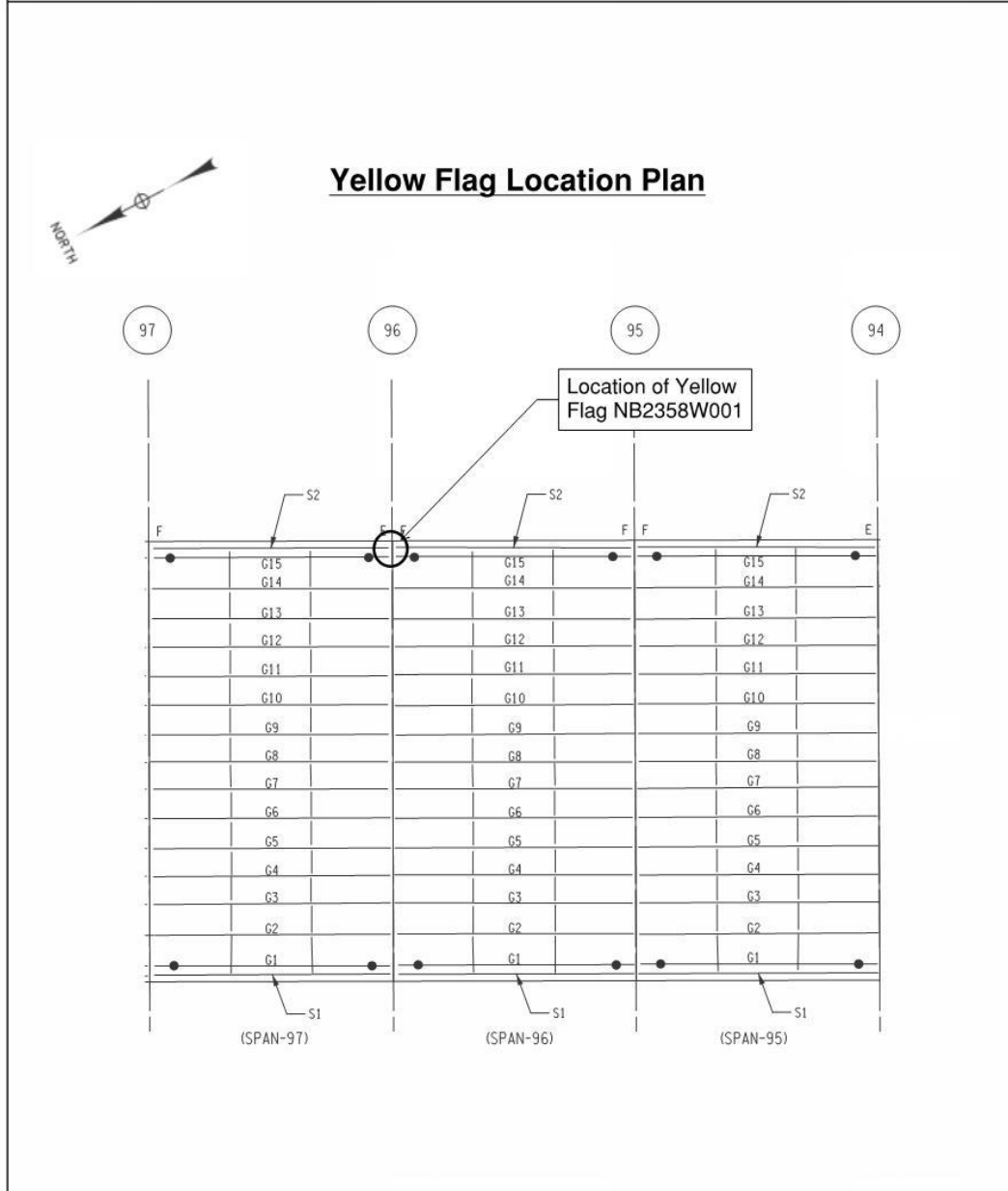
Flag PhotographsPhoto Number: **1**Photo Filename: **23_Flag Location Plan.jpg**Gowanus Expressway
2023 Biennial Inspection - Field SketchBIN: 1065318Team: AA/TSDate: 04/04/2023Span: 96Location: Stringer S2 at Pier 96**wsp****Attachment Description: Yellow Flag Location Plan**

Photo Number: 2

Photo Filename: 23_Span 96_Pier 96_Stringer S2_Connection Detail.

Gowanus Expressway
2023 Biennial Inspection - Field Sketch

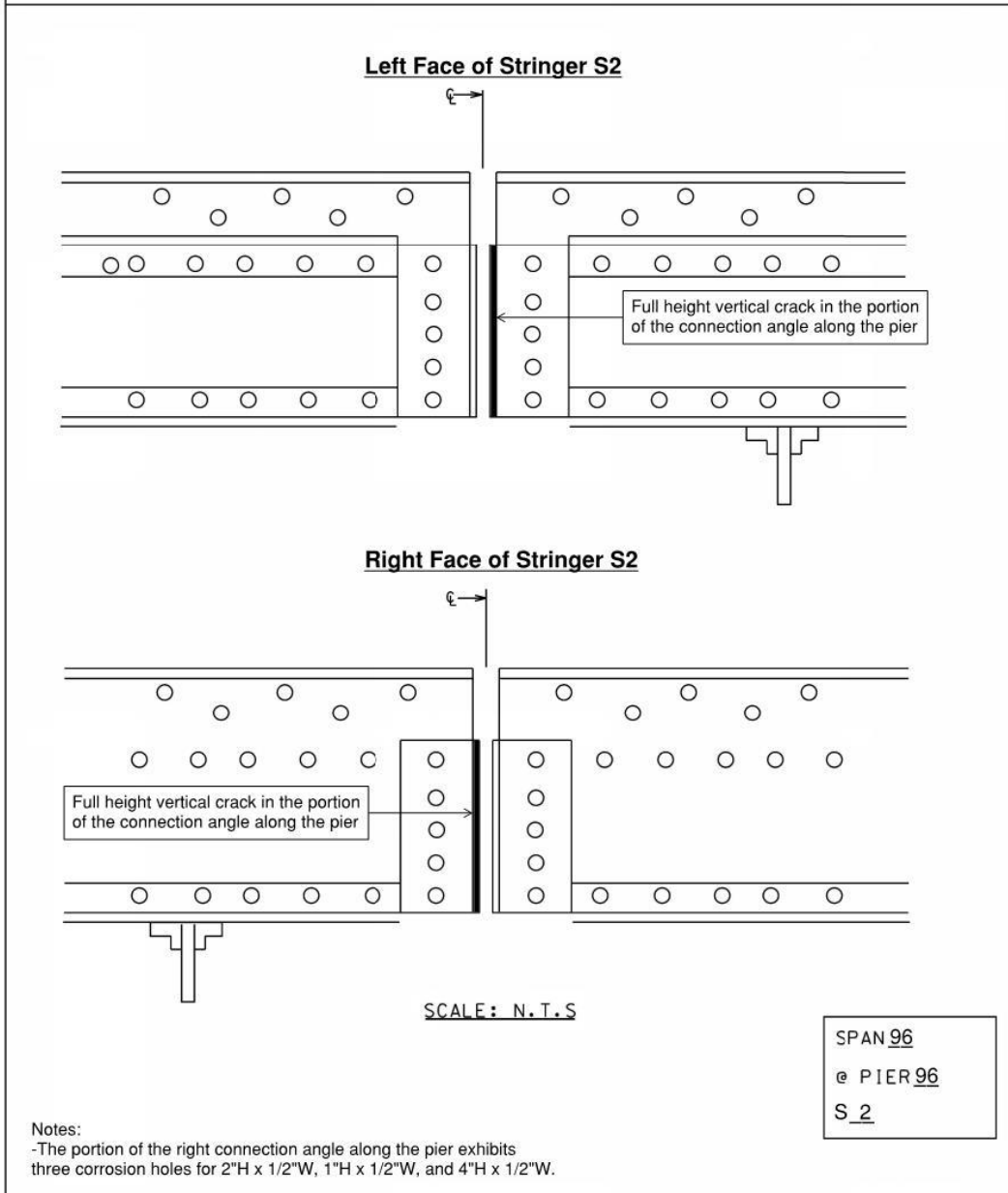
BIN: 1065318

Team: AA/TS

Date: 04/04/2023

Span: 96

Location: Stringer S2 at Pier 96

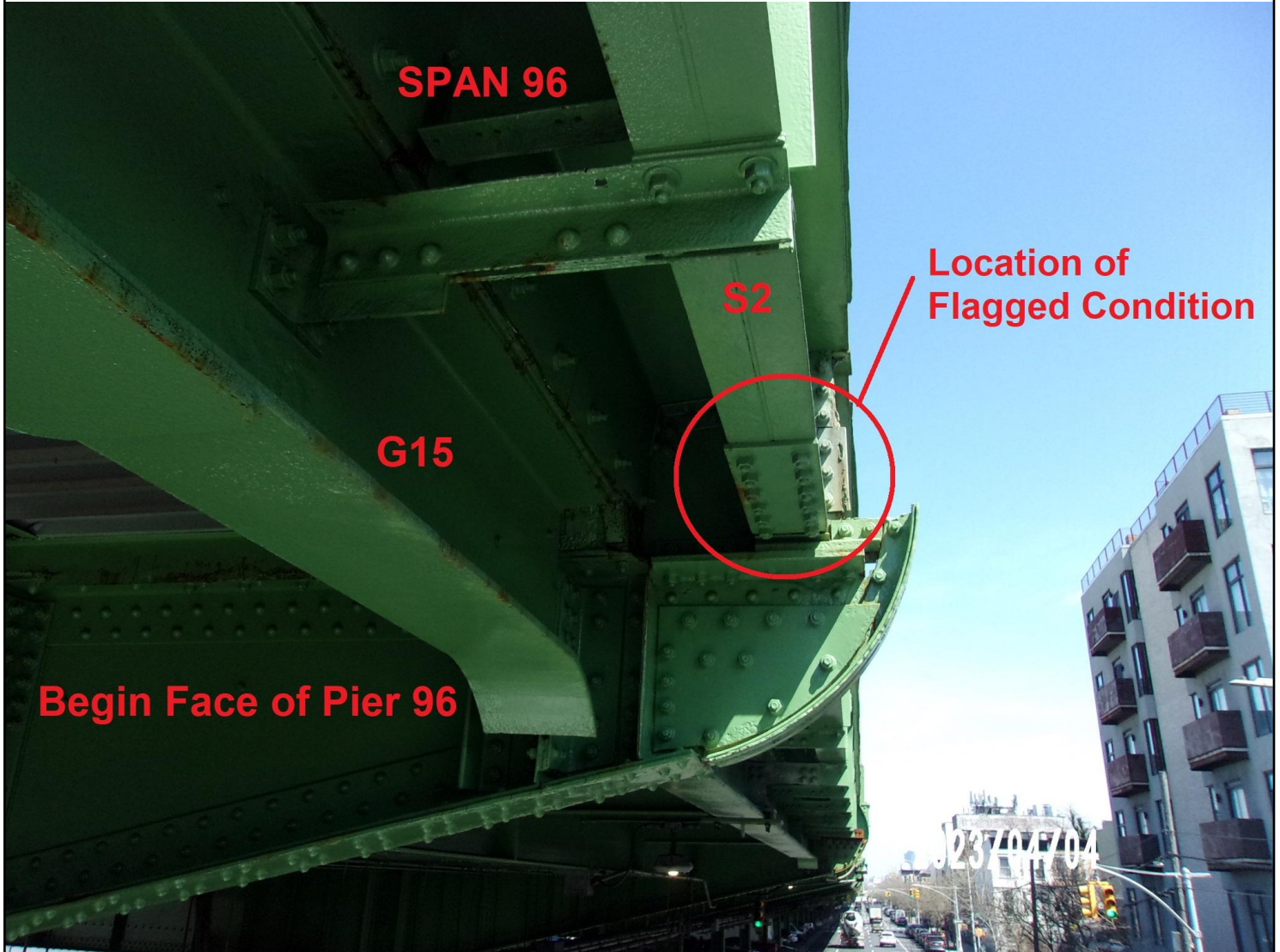


wsp

Attachment Description: Yellow Flag Condition Sketch

Photo Number: 3

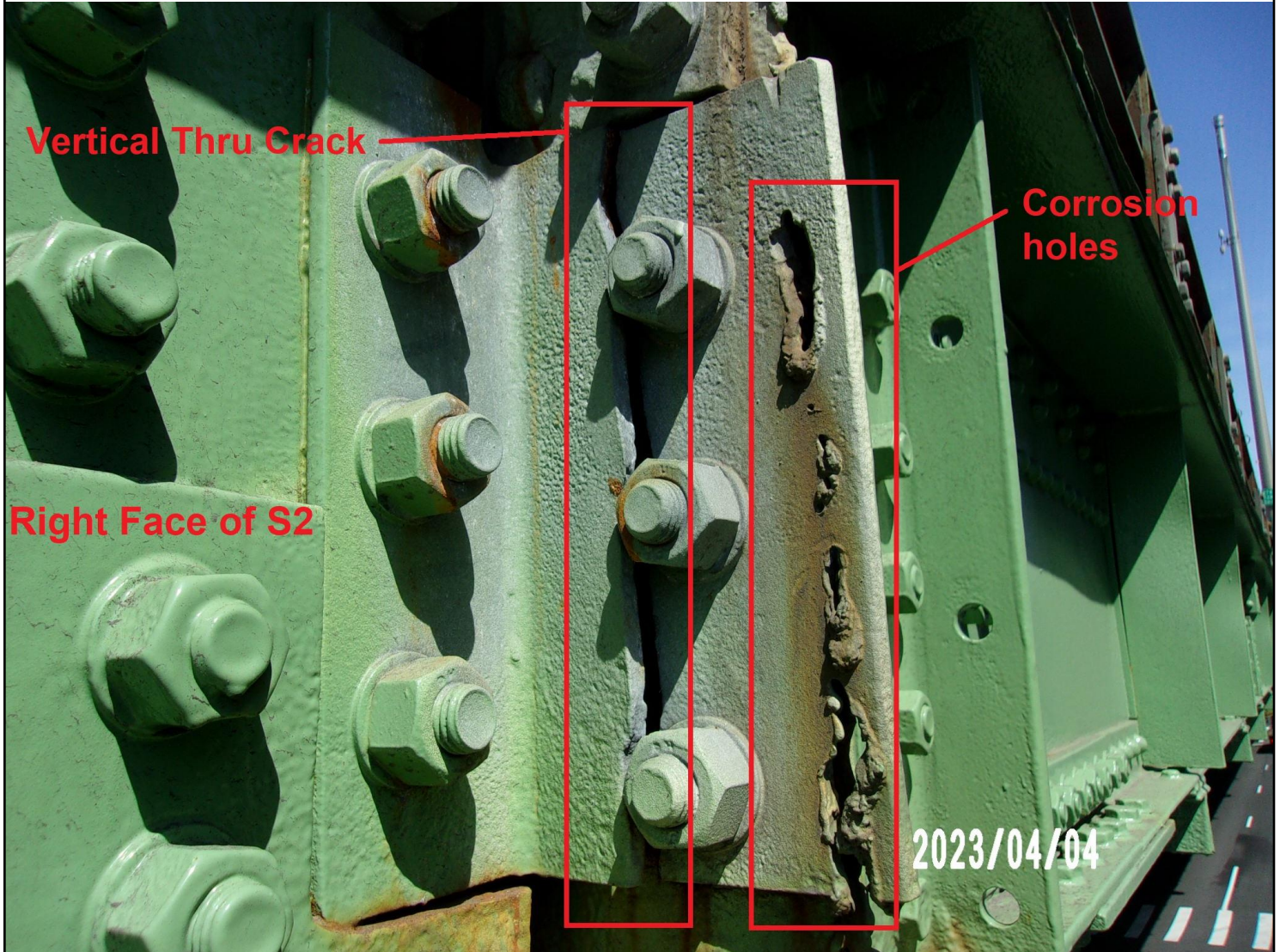
Photo Filename: 23_113_5790.JPG



Attachment Description: General view of the flagged condition at Stringer S2 in Span 96 at Pier 96. Looking End.

Photo Number: 4

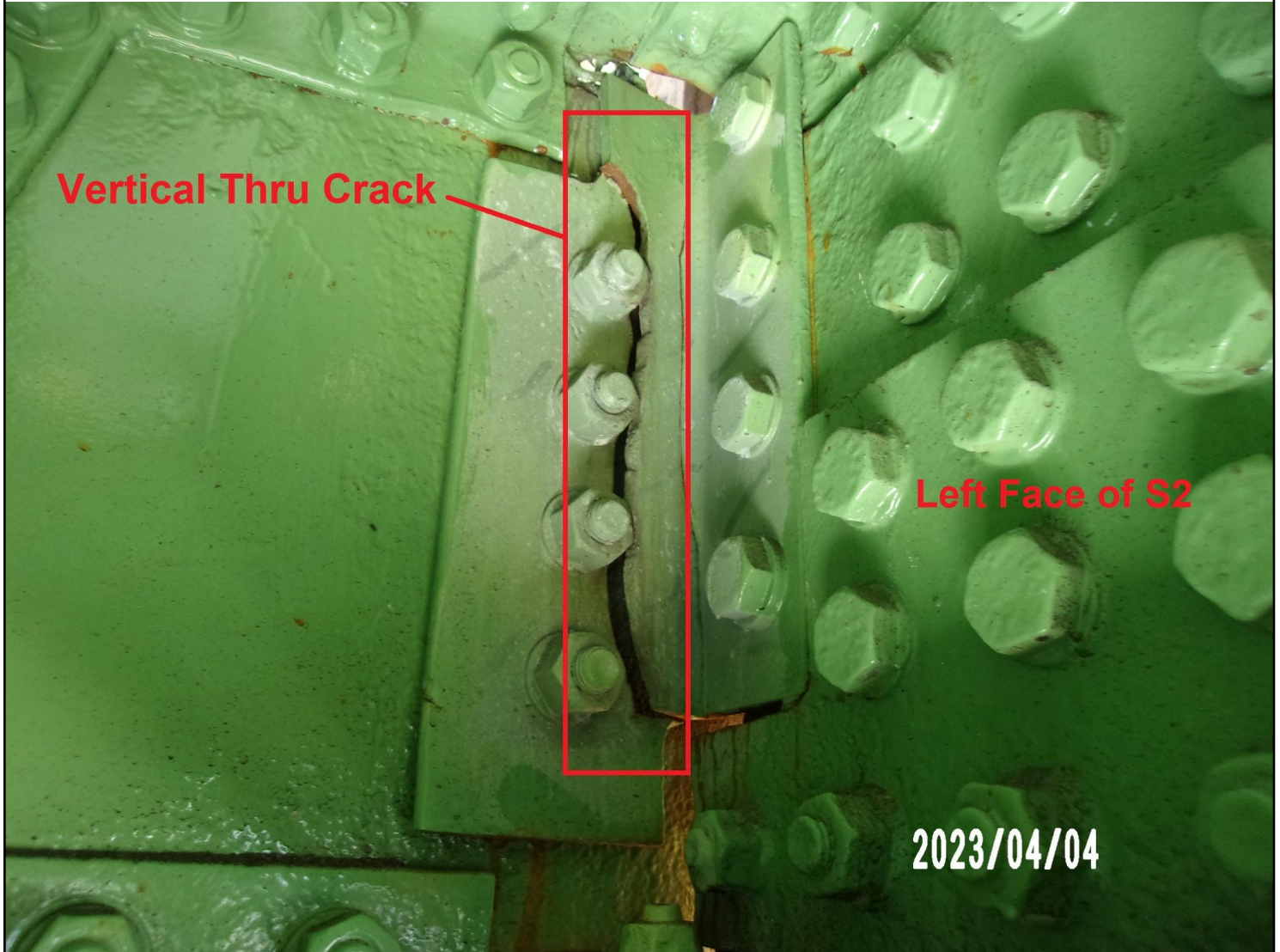
Photo Filename: 23_113_5787.JPG



Attachment Description: The right face of Stringer S2 in Span 96 at Pier 96. The connection angle exhibits a full height vertical crack in leg of the connection angle along the pier with three corrosion holes. Looking End and Left.

Photo Number: 5

Photo Filename: 23_113_5788.JPG



Attachment Description: The left face of Stringer S2 in Span 96 at Pier 96. The connection angle exhibits a full height vertical crack in the leg of the connection angle along the pier. Looking End and Right.

Photo Number: 6

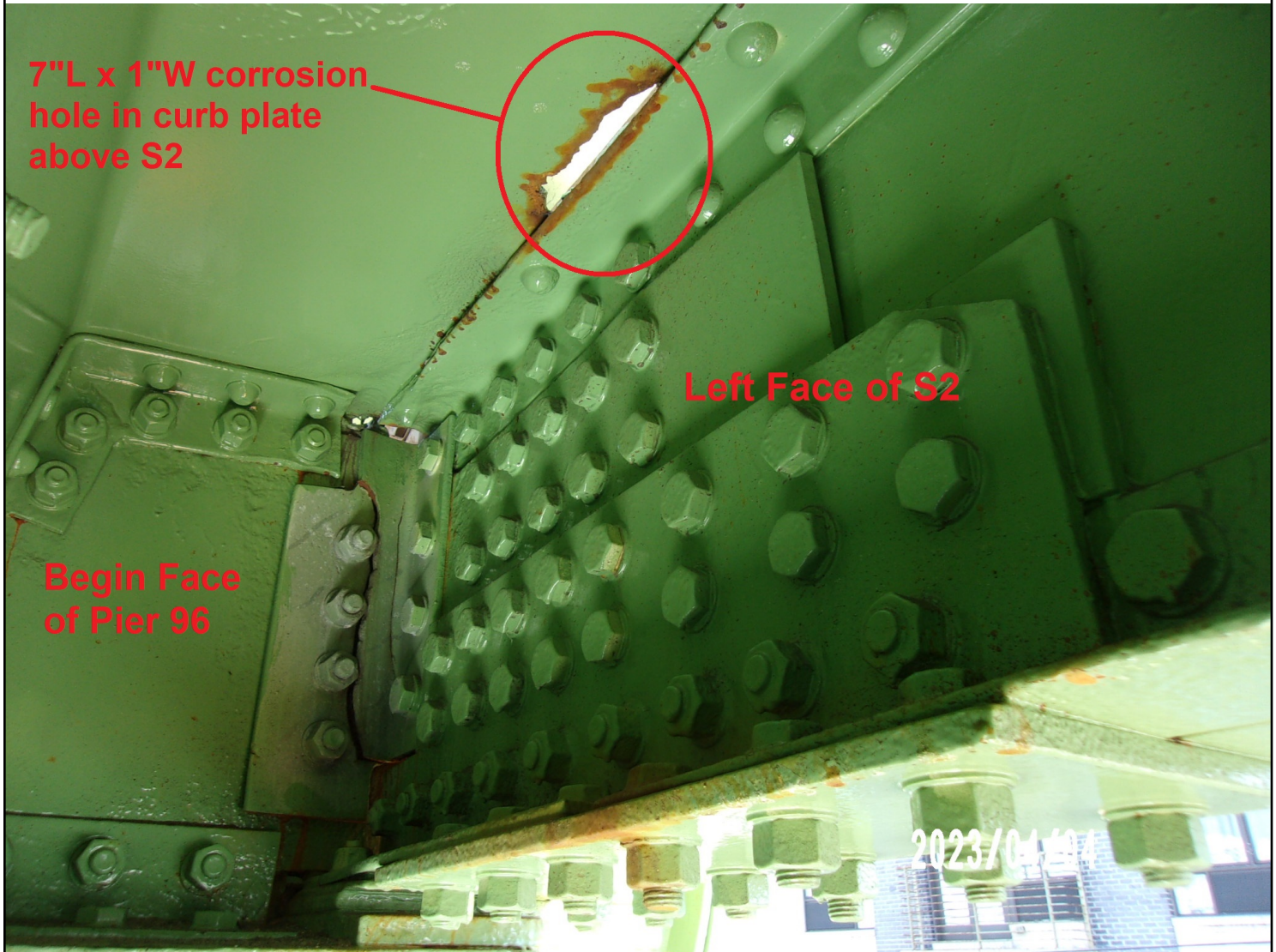
Photo Filename: 23_113_5784.JPG



Attachment Description: The right face of Stringer S2 in Span 96 at Pier 96. The stringer end has previously installed steel reinforcement plates and angles which are in good condition. Looking Left.

Photo Number: 7

Photo Filename: 23_113_5789.JPG



Attachment Description: The left face of Stringer S2 in Span 96 at Pier 96. The stringer end has previously installed steel reinforcement plates and angles which are in good condition. Also, the curb plate above Stringer S2 exhibits 7"L x 1"W corrosion hole. Looking End and Right.